Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications



Complete potentiometer, Harmony XB4, metal, 22mm, 470K

XB4BD912R470K

Main

| Range of product | Harmony XB4 |
|---------------------------|------------------|
| Product or component type | Potentiometer |
| Device short name | XB4 |
| Head type | Standard |
| Device presentation | Complete product |

Complementary

| Bezel material | Chromium plated metal |
|---------------------------------------|---|
| Mounting diameter | 22.5 mm |
| Product compatibility | Ø 6 mm shaft |
| Sale per indivisible quantity | 1 |
| CAD overall width | 30 mm |
| CAD overall height | 47 mm |
| CAD overall depth | 82 mm |
| Product weight | 0.095 kg |
| Protective treatment | тн |
| Ambient air temperature for storage | -4070 °C |
| Ambient air temperature for operation | -4070 °C |
| Electrical shock protection class | Class II conforming to IEC 60536 |
| IP degree of protection | IP66 conforming to IEC 60529 IP69 conforming to IEC 60529 IP69K conforming to IEC 60529 |
| NEMA degree of protection | NEMA 13 NEMA 4X |
| Resistance to high pressure washer | 7000000 Pa at 55 °C, distance : 0.1 m |
| IK degree of protection | IK06 conforming to IEC 50102 |
| Standards | IEC 60947-1 CSA C22.2 No 14 UL 508 |
| Product certifications | CSA BV UL listed |
| Shape of signaling unit head | Round |
| Operator profile | knurled knob, with (white) |

| [Us] rated supply voltage | <= 30 V AC <= 42 V DC |
|---|---|
| Rated power in W | 0.26 W at 70 °C |
| Precision of internal conversion resistor | +-10% |
| Potentiometer characteristic | Linear |
| Mechanical durability | 50000 cycles |
| Ohmic value | 470000 Ohm |
| Material | Cermet |
| Vibration resistance | 5 gn (f= 2500 Hz) conforming to IEC 60068-2-6 |
| Shock resistance | 30 gn (duration = 18 ms) for half sine wave acceleration conforming to IEC 60068-2-27 50 gn (duration = 11 ms) for half sine wave acceleration conforming to IEC 60068-2-27 |
| Main group | Potentiometer |
| Group of product | Potentiometer knurled knob |
| Colour of marking | White |

Packing Units

| Unit Type of Package 1 | PCE |
|------------------------------|-----------|
| Number of Units in Package 1 | 1 |
| Package 1 Height | 5.300 cm |
| Package 1 Width | 4.300 cm |
| Package 1 Length | 8.800 cm |
| Package 1 Weight | 104.000 g |
| Unit Type of Package 2 | S02 |
| Number of Units in Package 2 | 40 |
| Package 2 Height | 15.000 cm |
| Package 2 Width | 30.000 cm |
| Package 2 Length | 40.000 cm |
| Package 2 Weight | 4.570 kg |



Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing "Use Better, Use Longer, Use Again" campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

| ☑ Environmental footprint | |
|----------------------------------|-------------------------------|
| Total lifecycle Carbon footprint | 2 |
| Environmental Disclosure | Product Environmental Profile |

Use Better

| Materials and Substances | |
|--|--|
| Packaging made with recycled cardboard | Yes |
| Packaging without single use plastic | No |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope) |
| SCIP Number | 13916f2d-387f-438e-8539-c58c2239cc27 |
| REACh Regulation | REACh Declaration |
| California proposition 65 | WARNING: This product can expose you to chemicals including: Nickel compounds, which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov |

Use Again

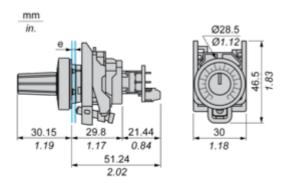
| ○ Repack and remanufacture | |
|---------------------------------|-------------------------|
| End of life manual availability | End of Life Information |
| Take-back | No |

Product data sheet

XB4BD912R470K

Dimensions Drawings

Dimensions



e: Panel thickness: 1 mm to 6 mm / 0.03 in. to 0.24 in

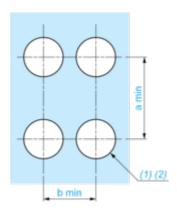
Product data sheet

XB4BD912R470K

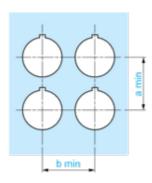
Mounting and Clearance

Panel Cut-out for Pushbuttons, Switches and Pilot Lights (Finished Holes, Ready for Installation)

Connection by Screw Terminals or Plug-in Connectors

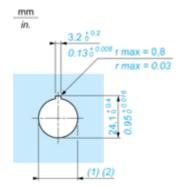


Connection by Faston Connectors



| Connections | a in mm | a in in. | b in mm | b in in. |
|---|---------|----------|---------|----------|
| By screw clamp terminals or plug-in connector | 40 | 1.57 | 30 | 1.18 |
| By Faston connectors | 45 | 1.77 | 32 | 1.26 |

Detail of Lug Recess



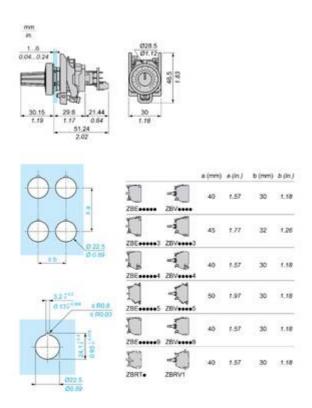
- (1) Diameter on finished panel or support
- (2) Ø22.5 mm recommended (Ø22.3 $_0^{+0.4}$) / Ø0.89 in. recommended (Ø0.88 in. $_0^{+0.016}$)

Product data sheet XB4BD912R470K

XB4BD912R470K

Technical Illustration

Dimensions



Product data sheet XB4BD912R470K

Image of product / Alternate images

Alternative





